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**Open Sources Library Software of CR2 World**

**LIBRARIAN –Library Management Software**



S. R. Ranganathan, considered by librarians all over India to be the father of library science, proposed five laws of library science. Most librarians accept them as the foundations of their philosophy:

### **Laws of Library Science**

1. Books are for use.
2. Every reader has his or her book.
3. Every book has its reader.
4. Save the time of the reader.
5. The library is a growing organism.

The laws have been widely quoted in the profession.

### **Introduction:-**

Open source software is computer software whose source code is available under a license or arrangement such as the public domain that permits users to study, change, and get better the software and to redistribute it in customized or unchanged form. It is often developed in a public, joint manner. It is the most famous example of open source development and often compared to user-generated content. For many libraries, growth has come with more material. Years ago we had crude card catalogue systems (remember DDC) that kept things organized, but were difficult to maintain. With today's computing skills, organizing our libraries has never been easier or more well-organized. Gone is the card catalogue and in some libraries, it is much easier to locate a book through an internet connection and picking it up. Upon your arrival, rather than wasting the time scouring the aisle looking for your next read, now just because the world has been blessed with magnificent software solutions that make the lot easier to do, doesn't mean that every library in the world is using these solutions. Many libraries do not have huge amounts of money to burn, and any that they do get usually goes to purchasing extra resources. Because of this need for software (and the mechanism and training costs associated with any), and the lack of money available to spend on it, many libraries are left to fend for themselves when it comes to staying up to date with the latest skills. Unless, of course, they embrace the open source association and use some of the countless software solutions available to help out. Most software that we all use every day is known as proprietary 'which in a nutshell means that it costs money and that the actual code of the software is controlled, in that the code of the software cannot be modified, copied or changed from its unique structure. The code is "unreadable" and pretty much is what it is. Open source software, on the other hand, is quite the opposite. The open source frame of mind revolves around sharing and association, and these two important elements describe open source software absolutely. First and foremost, open source software is free for anyone to have: more significantly, not only is the software free, but it is also free for anyone to copy, hack, modify, etc. This increases the potential of a software program because of this free thinking model. Many large groups of programmers have modified basic open source programs into whatever they insist on necessary, and have in turn given these alterations back to the open source community for free where others can continue to build on their work. There are many different

kinds of open sources software solutions out there today that could be cuddle by the library. There's basic operating system, article processing programs, Library Management Software (LMS) and Digital Library Software. We discussed on new Library Management Software (LMS) i.e. Library automation software made by CR2 technology.

## **Library Automation**

- Easy & Efficient Management
- Proper & Updated Information to the Patrons
- Keep a check on the obsolete and less useful resource
- Motivate Patrons
- Increase usage of the available resource
- Source the right resource
- Right Information at the Right Place and at the Right Time
- Changing Roles of Librarian

## **Advantages of Library Automation**

### ***Improved Customer Service***

Automation of the library helps take some of the workload off of librarians and other staff members in the areas of acquisitions, cataloging and circulation, which in turn allows them to better serve their patrons. This extra time can lead to more programs being facilitated in the library and make library staff available to answer reference questions and help people who having trouble researching or finding the right information.

### ***Cataloging Improvements***

Automated cataloging standards, such as MARC (Machine Readable Cataloging), allow for quicker cataloging of library items. Not only does this allow the librarian more time to dedicate to improving customer service, but it also makes the sharing of materials from location to location much easier and much more affordable.

### ***Easier Access***

Not only does automation of library materials make it easier to find books, buy it also makes it easier to access journals and some books online from a home computer or elsewhere. The automation of library collections also allows the library to be more flexible when it comes to any increases in demand.

### ***Collections***

Automation of the library allows for an improvement in the variety, amount and quality of materials that are available in the library's collection. It can also help make weeding out

old, outdated and irrelevant books and materials from the collection, which helps keep the library's collection more streamlined and easier to find the right item.

### ***Lasting Effects***

Automation is also a way of preparing the collection to become sustainable with the ever-increasing shift to a technology-based society, in terms of information dissemination, paired with the ever-decreasing amount of funding for libraries. Automation will help libraries who begin to struggle and are forced to lay off staff. Switching to an automated system allows libraries to add on features when they become available in the future, instead of having to do a complete overhaul of their collections and cataloging methods.

### **Library Automation Solution**

**Enterprise-LIBRARIAN (LIBRARY MANAGEMNET SOFTWARE)**

**Web-LIBRARIAN**

**Cloud-Cybrarian (Library on the Move)**

**Mobile-LIBRARIAN-mob OPAC**

**LIBRARIAN®**

***LIBRARIAN® - Library Management Software***

**LIBRARIAN®**

Librarian is advanced and elegant library management software which is designed and supported by **CR2**, India. Suitable for special, medical and legal libraries, colleges, schools, charities and other resource centers, Librarian software has revolutionized library automation in various institutions. Over 95% of the sites that have ever purchased Librarian are still using it.

**LIBRARIAN®** is the complete library management and automation solution that enables information providers, information managers, resource incharge, resource managers &

librarians to manage & disseminate information available in various kinds of resources including:

<b>Print Material</b>	<b>Non-Print Material</b>
Books	CD
Journals	DVD
Article	E-Journal
Dissertation/Thesis	Audio Cassettes
News papers	Video Cassettes
Maps	Scanned Images
Charts	Audio Files
	Videos Files
Projects Reports	Floppies and many more.....

### ***Key Functions of LIBRARIAN®***

#### **Cataloguing:**

Cataloguing is based on AACR2 standard. Rules are programmed to give consistent and accurate cards. The cards are available in the standard 5" x 3" size. User can opt to print on cards or A4 Laser Sheets. The GUI is simplified for quick and easy use of the same by all. Cataloguing of Books, CDs, Journals, Magazines, Annual Reports, Project Reports, Presentations, PDF files and many more is possible. User can easily add upto 20 different fields in different type for entering data of new and upcoming resources.

#### **Acquisition:**

Acquisition is the base support of the Library. Users and Members of the Library can submit their suggestions for procurement of resources (i.e. books, journals etc.) to the Librarian. The entire process of Acquisition right from Suggestion, Request for Proposal, Quotation Comparison, Purchase, Invoicing and Accessioning is smoothly and effectively handled in **LIBRARIAN®**

## **Circulation:**

Circulation is based on the lending rules configured by the Librarian. Librarians can configure 'n' no. of lending policies for different group of members in the library. With use of Barcode and RFID technology circulation system is just "**CLICK TO DO**" event. Because of the highly advanced and simplified system, the task of circulation can be assigned to anyone. Member ID-cards with barcode and photograph can be easily generated and used by the Library. Additionally, it is possible to record the visits of the members to the library irrespective of the circulation.

## **Serial Control:**

Serial Control allows Librarians to smoothly and efficiently manage subscription and lending of serials, journals, periodicals or magazines. In-time alerts of non-arrived serials enables Librarian to keep track of not arrived copies and connect to publishers / agents accordingly. **LIBRARIAN®** also has function to allow binding of numerous journals together at the end of the financial year or as desired by the Librarian. Kardex facility enables to view all received volumes and issues on one single screen.

## **Article Indexing**

## **Barcode Generation**

## **Member / Student ID card Generation**

***WebLIBRARIAN® meets most of the international standards like***

**AACR2**

**MARC21**

**MARXML**

**Z39.50**

**NCIP 2.0**

**Unicode**

## **Salient Features of NEW LIBRARIAN® XI**

- Based on .NET 2.0 Framework
- Visual Statistical Representation using Graphs / Charts
- RFID Ready (NCIP 2.0 HTTP Server Available)
- Z39.50 Import enables Libraries to search and Import records from various Z39.50 Libraries across the globe
- MARC21 Import / Export
- Auto Scheduled Tasks - eMails, Database Maintenance etc..
- New Flavor of **LIBRARIAN® XI** with Tape Library Module enables Broadcasters manage complete record of their TAPES, CDs, DVDs etc. alongwith content information and preview snippets

- Digital References for Books & Other Items including (URLs, PDFs, PPTs, DOCs, XLSs....)
- Extensive webOPAC for online search of information
- User configurable webOPAC
- Supports Unicode (Multilingual)
- Supports Multi-Users Environment and Multi-Location Web Interface
- Web Interface : Access to free e-journals and e-books through the software
- Multimedia Resource Management (Embedded)
- Barcode Printer Friendly
- MS Office® 2007 Compatible
- Faster & Optimized webOPAC

Additionally **LIBRARIAN®** complies all the requirements of NAAC / AICTE

Suitable for all types and sizes of libraries.

Thereby **LIBRARIAN®** helps in building excellent knowledge capabilities in the local language

### **cybrarian**

Asia's first SaaS based Integrated Library Automation Solution allows Librarians to manage their library online. All resources based on security are well indexed in reputed search engine like google, yahoo, live and more. This enables readers to locate your library based on the resource from across the globe. A great marketing tool for the Libraries.

Now every Librarian has access to advanced features like MARC21, Z39.50, Live webOPAC, Acquisition, Cataloging, Customized Report Generation and many more without spending much on procurement of expensive hardware and software.

Further cybrarian® provides peace of mind to Librarians as their database is completely secured, untouched, tampered, altered and constantly backed up time to time. All these without any human intervention.

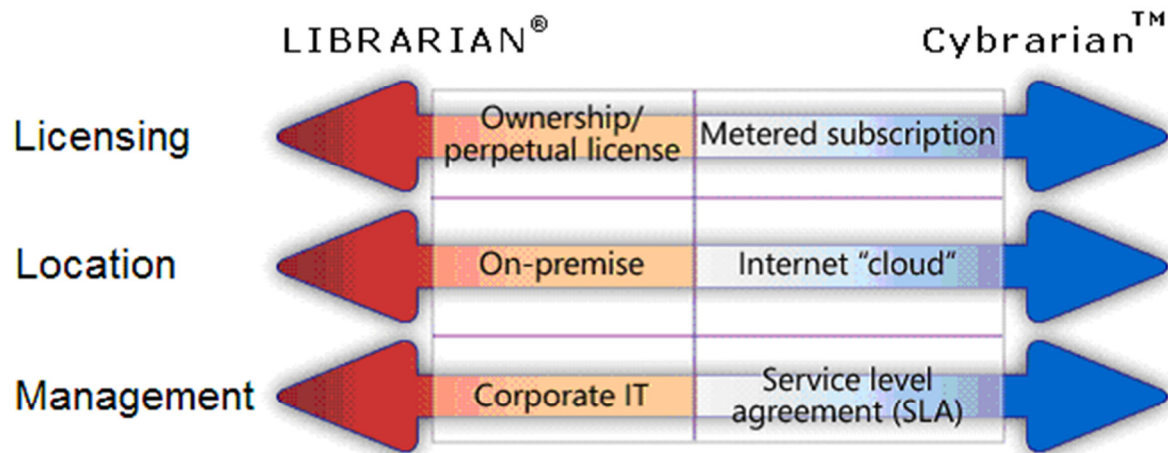
RSS module enables Libraries to share their data across various blogs, social networks, official sites and more.

### **Cybrarian™**

#### ***Functional Components:***

- **Online Public Access Catalog**
- **Cataloging**
- **Authority Management**
- **Serials Management**

- Circulation
- Scheduling
- Reporting : Standard & Custom
- Z39.50
- Reservations
- Acquisitions



### **Overview**

OPAC, Cataloging & Authority Management, Serials Management, Circulation, Scheduling and Reporting Modules included in single, modest fee.

### **Next Generation Technology from World-Class Engineers**

- Completely Web-based. Open systems design for easy, seamless integration.
- True 3-tier thin client, server-centric design for easy management.
- Updates are installed on the server only. We perform all updates.
- Latest post-relational database technology enables powerful and self-customized reporting.
- Complete scalability for any size of library or consortia, any number of holdings and users.
- Cross-platform performance on any workstation, or browser.
- Rock-solid performance from a development team experienced in mission-critical applications.

### **Serials Management that is Unparalleled**

- Efficient design eliminates steps for check-in and routing, reduces manual work.
- Claims management and library-defined warnings for missing issues.
- The OPAC elegantly displays serials holdings and links to e-journals.
- Provides critical capabilities in a research environment where journals are key holdings.



## **An Elegant, Easy-to-use OPAC**

- Embedded graphics of photos, graphics, book, and journal covers in initial and detail results.
- Direct access to electronic resources and databases.
- Customized interfaces for multiple user needs.
- Multiple library locations and union catalogs are easy to implement.
- Distinct serial display with volume/issue details.

## **Built In Customization**

- You control fonts, colors, and background. Add library or organization logo, other popular links.
- Cybrarian provides functionality but you set policy with hundreds of settings for Circulation and OPAC fonts, colors, terms used, even search and display logic.
- Reports can be customized and created as per the users requirement on the fly using Cybrarian Reporting Services.

## **Standards Compliant**

- MARC 21, Z39.50, SQL, etc.

## **Price: Performance**

- Higher priced systems don't offer comparable features.
- Access & Manage your Library anytime – anywhere (24x7x365)

## **Multi-Location Enabled**

## **Multi-Library Enabled**

## **Consortia Ready**

## **WebLIBRARIAN**

WebLIBRARIAN™ is complete web-based library management and automation software with enhanced facility of multi-location and multi-branch management that enables information providers, information managers, resource in charge, resource managers & librarians across vivid location to manage & disseminate information available in various kind of resources including

## WebLIBRARIAN™

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Books	CD
Journals	DVD
Article	E-Journal
Dissertation/Thesis	Audio Cassettes
News papers	Video Cassettes
Maps	Scanned Images
Charts	Audio Files
	Videos Files
Projects Reports	Floppies and many more.....

## ***Key Functions of webLIBRARIAN™***

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**Z3950**

**NCIP 2.0**

**Unicode**

**Salient Features of NEW webLIBRARIAN™**

- Based on web technology
- Multilanguage Interface
- RFID Ready (NCIP 2.0 HTTP Server Available)
- Smart Dashboard
- MARC21 Import / Export
- Auto Scheduled Tasks - eMails, Database Maintenance etc..
- QuickLinks - Smart Access
- Digital References for Books & Other Items including (URLs, PDFs, PPTs, DOCs, XLSs....)
- Extensive webOPAC for online search of information
- User configurable webOPAC
- Supports Unicode (Multilingual)
- Supports Multi-Users Environment and Multi-Location Web Interface
- Web Interface : Access to free e-journals and e-books through the software
- Multimedia Resource Management (Embedded)
- Barcode Printer Friendly
- AWS Ready
- Faster & Optimized webOPAC
- Amazon Data Connector
- ISBNdb Data Connector
- Support for Barcode Stickers on A4 Laser Printers
- @Import / Export Utility

Additionally **web LIBRARIAN™** complies all the requirements of NAAC / AICTE

Suitable for all types and sizes of libraries.

Thereby **web LIBRARIAN™** helps in building excellent knowledge capabilities in the local language

## **MobOPAC**

With our range of revolutionary and innovative products in field of library automation, CR2 has now introduced mobile based online public access catalog search engine. With facilitation of our products range named mobOPAC which allows management of your articles online. It allows easy to search and locate any article, catalog, book or any material held by your single or group of libraries.

Mob OPAC offered by CR2 gives you awesome experience of using and accessing your online catalogs available in library system. The product is supported with most advanced search technology and allows you quick and timeless results of your search for article. It is a fully mobile based application and works well in synchronization to your existing web and online library database. It has adopted best information retrieval principal and supported with most powerful search engine facility. It has great features in terms of relevant ranking, faceted search, enriched user interface, tagging and reviews.

Most importantly where many existing solutions stand on single library solution, mob OPAC is competent to support consortium of libraries to provide seamless integration of integrated online public access.

## **Conclusion**

Library Management System allows the user to store the book details and the customer details. This software package allows storing the details of all the data related to library. The system is strong enough to withstand regressive yearly operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports. thus it can be said that library open sources software should be conveying good cheer, role of spanning, approachable, demonstrate caring, self-disclosure authentic. It should include all information pertaining to library with necessary data's. In the present time automation of libraries is an essential job, which fulfill the fourth law of library science "Save the time of reader and staff.

## References:-

- 1) <https://galecia.com/open-source>
- 2) [eprints.rclis.org/13172/1/Open\\_Source\\_Software\\_and\\_Libraries.pdf](http://eprints.rclis.org/13172/1/Open_Source_Software_and_Libraries.pdf)
- 3) <http://www.librarysoftware.in/resources.html>